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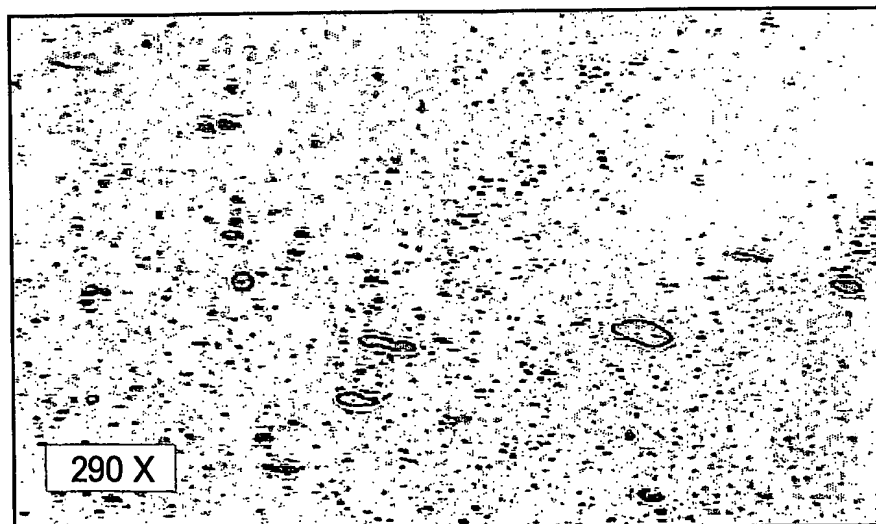
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(54) Title: POLYOLEFIN NANOCOMPOSITE COMPOSITIONS



(57) Abstract: A nanocomposite composition having improved mechanical properties containing, A. about 5 to about 20 wt% of a compatibilizing dispersant chosen from an olefin polymer peroxide, an ionomer of an olefin polymer peroxide, a grafted olefin polymer peroxide, and mixtures thereof; B. about 1 to about 15 wt% of a smectite clay; and C. about 65 to about 94 wt% of an olefin polymer material; wherein the sum of components A + B + C is equal to 100 wt%.

WO 2004/085534 A1